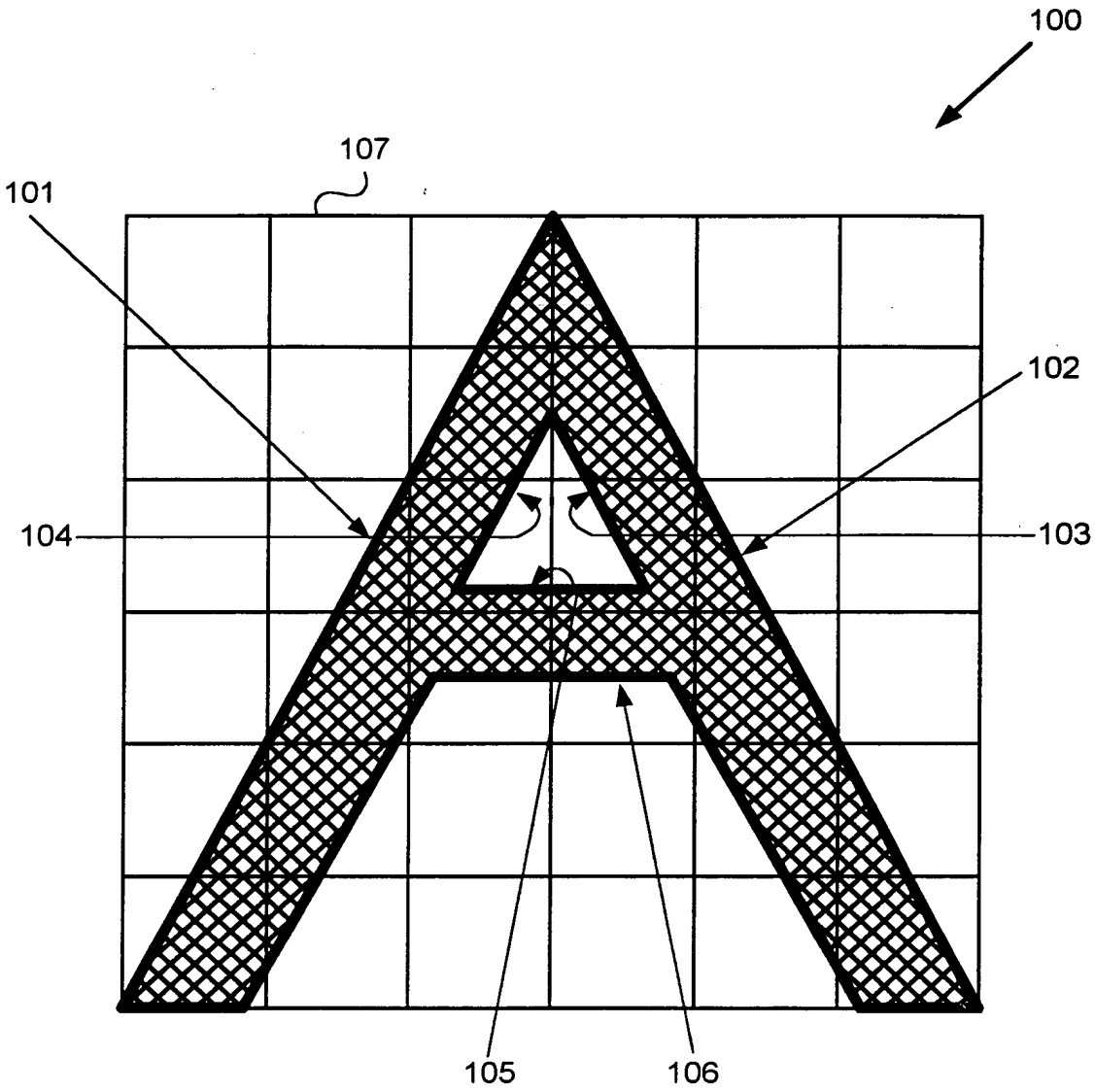

Figure 1A

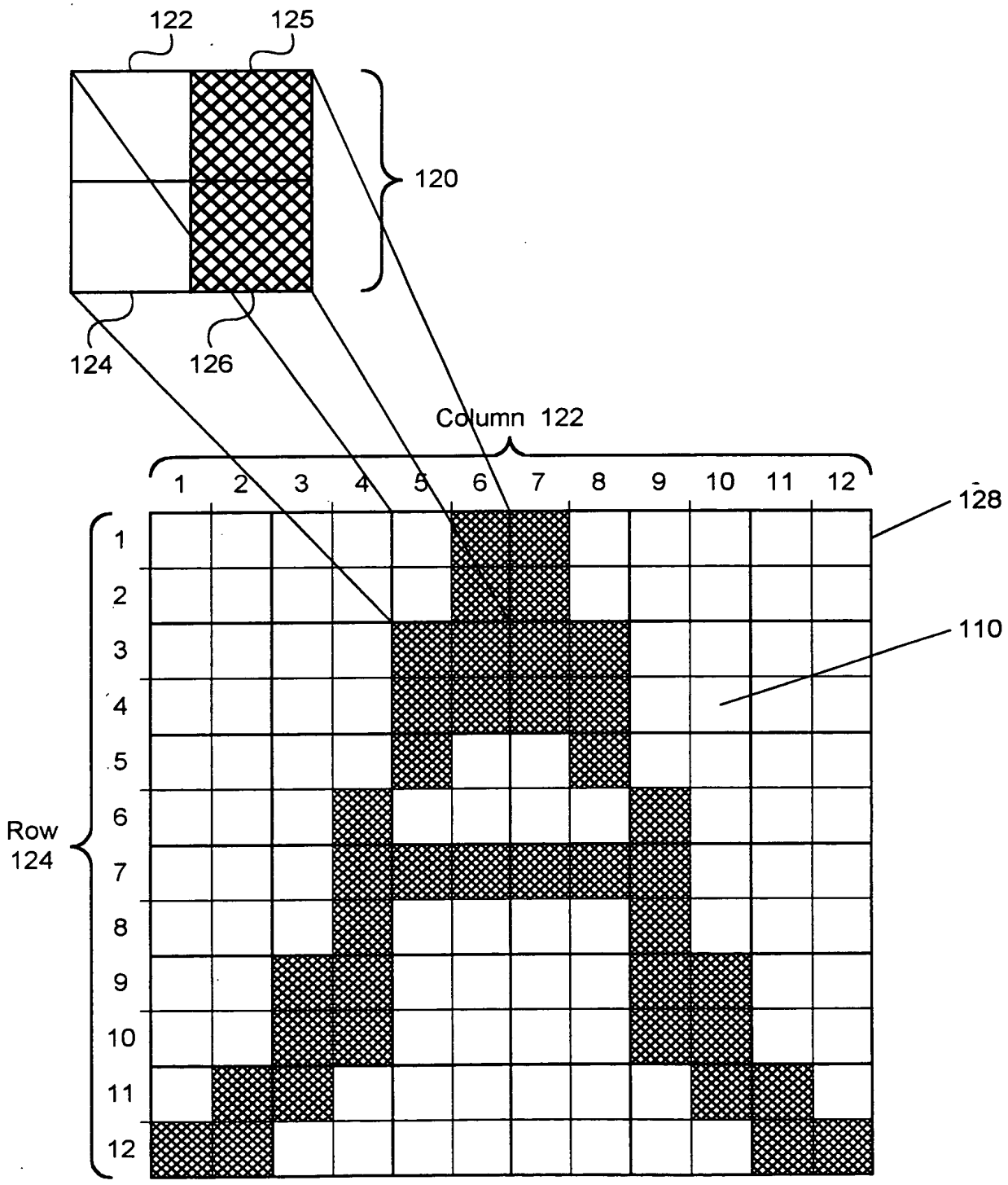
122
125
120
124
126
Column 122
1 2 3 4 5 6 7 8 9 10 11 12
128
110
Row
124
1
2
3
4
5
6
7
8
9
10
11
12

Figure 1B

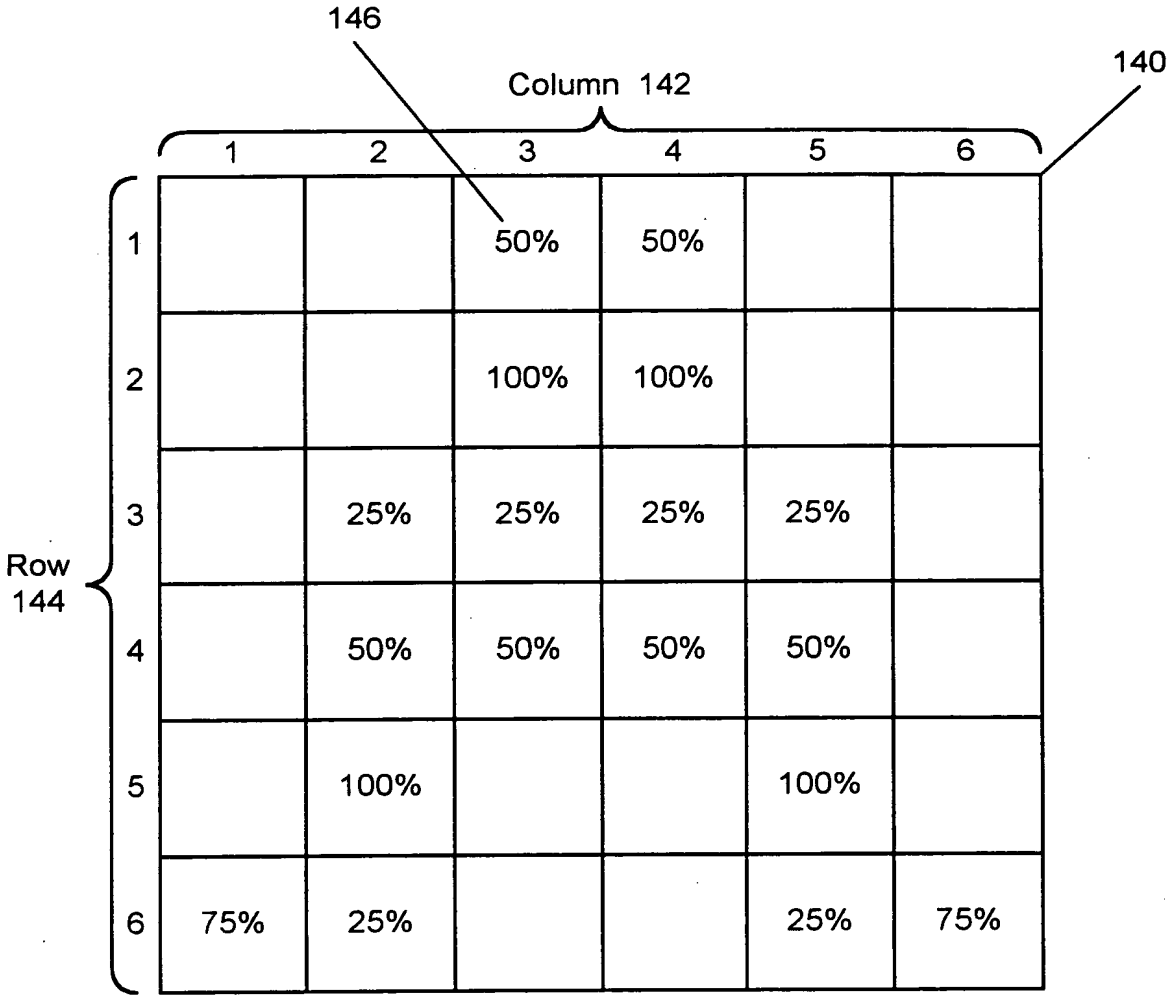
146
140
Column 142
1
2
3
4
5
6
Row
144
1
2
3
4
5
6
50%
50%
100%
100%
25%
25%
25%
25%
50%
50%
50%
50%
100%
100%
75%
25%
25%
75%

Figure 1C

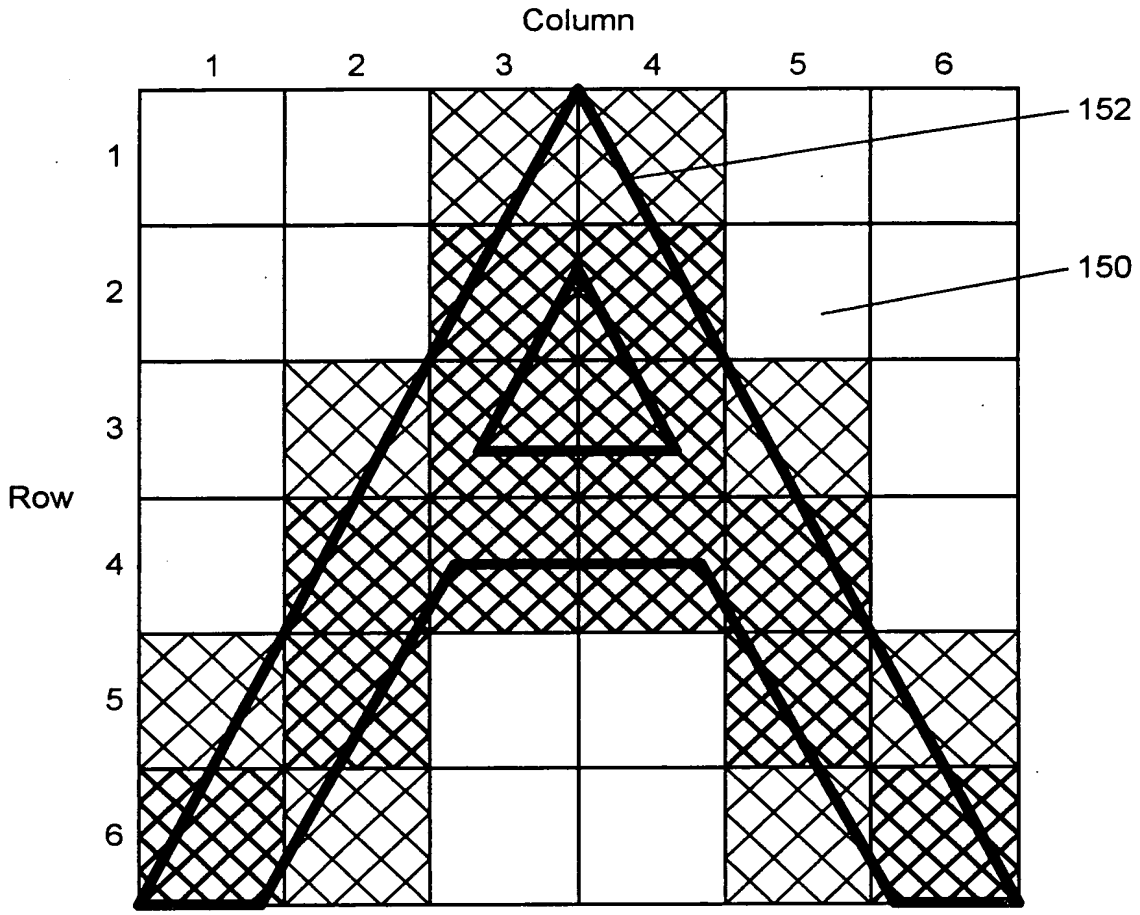

Figure 1D

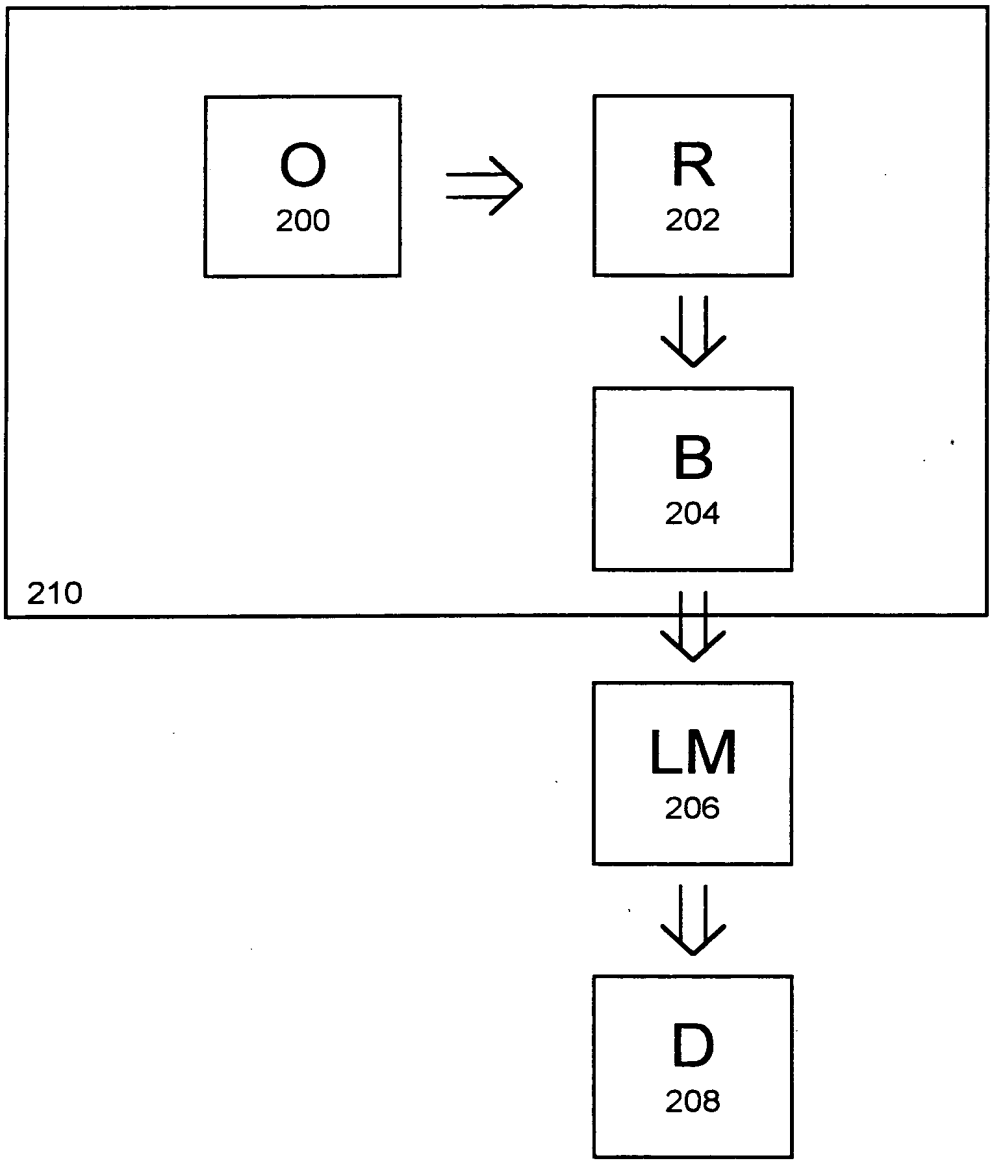

Figure 2

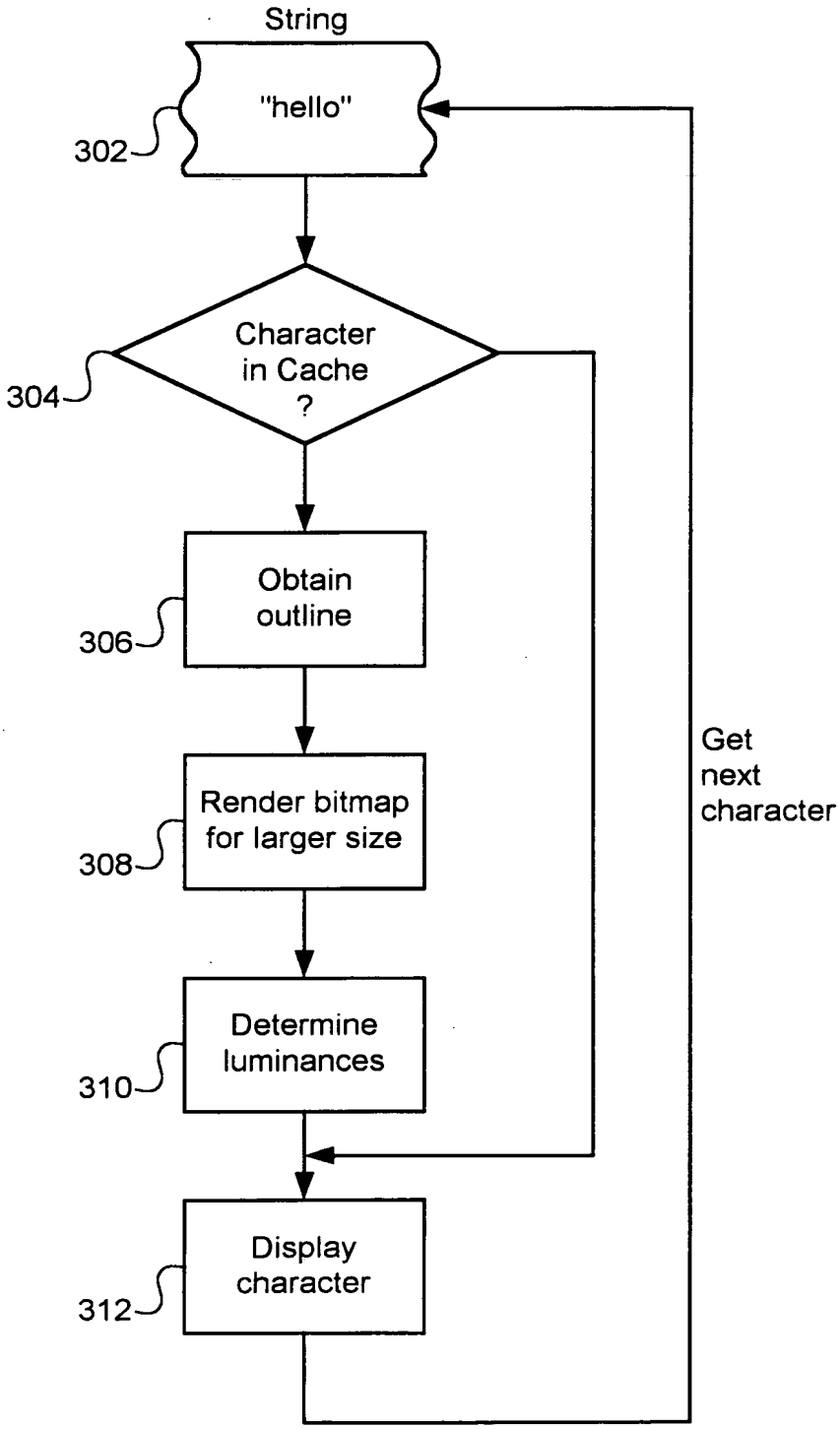
String
"hello"
302
Character in Cache ?
304
Obtain outline
306
Render bitmap for larger size
308
Determine luminances
310
Display character
312
Get next character

Figure 3

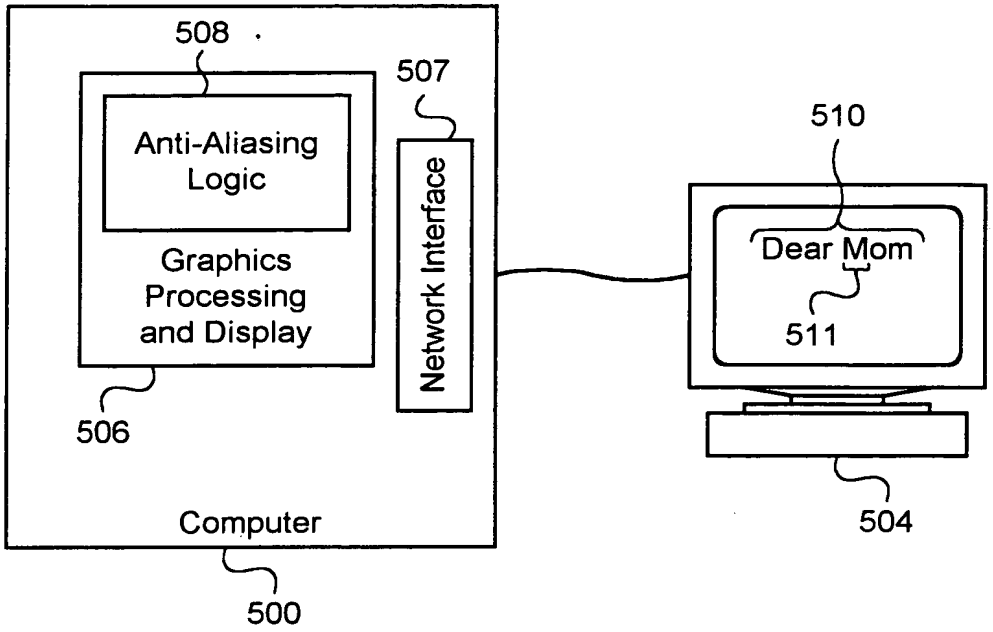

Figure 4A

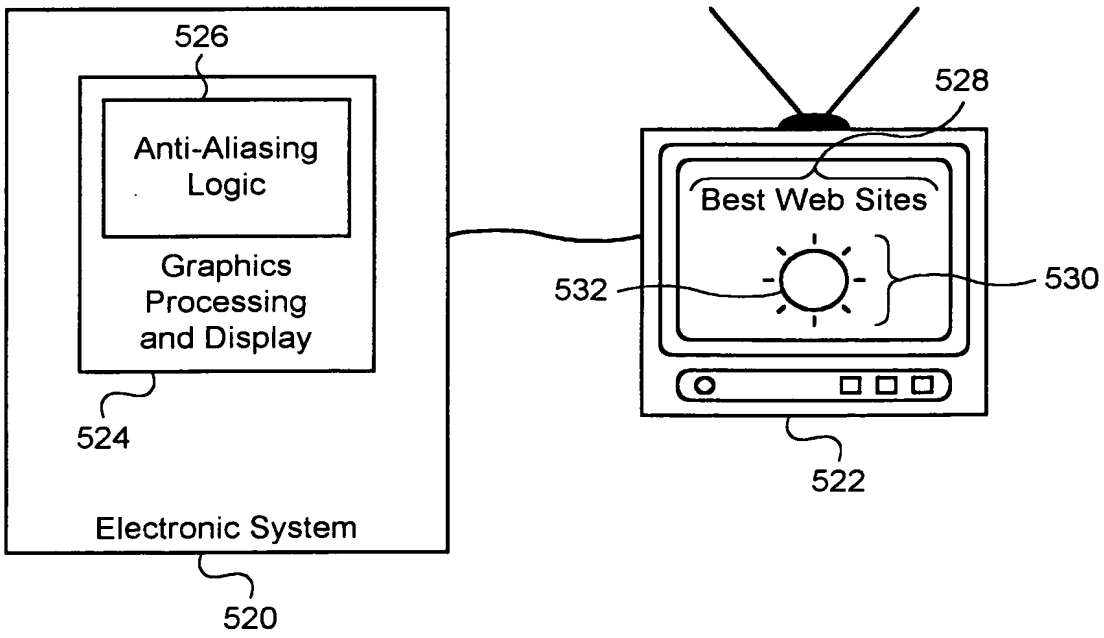

Figure 4B

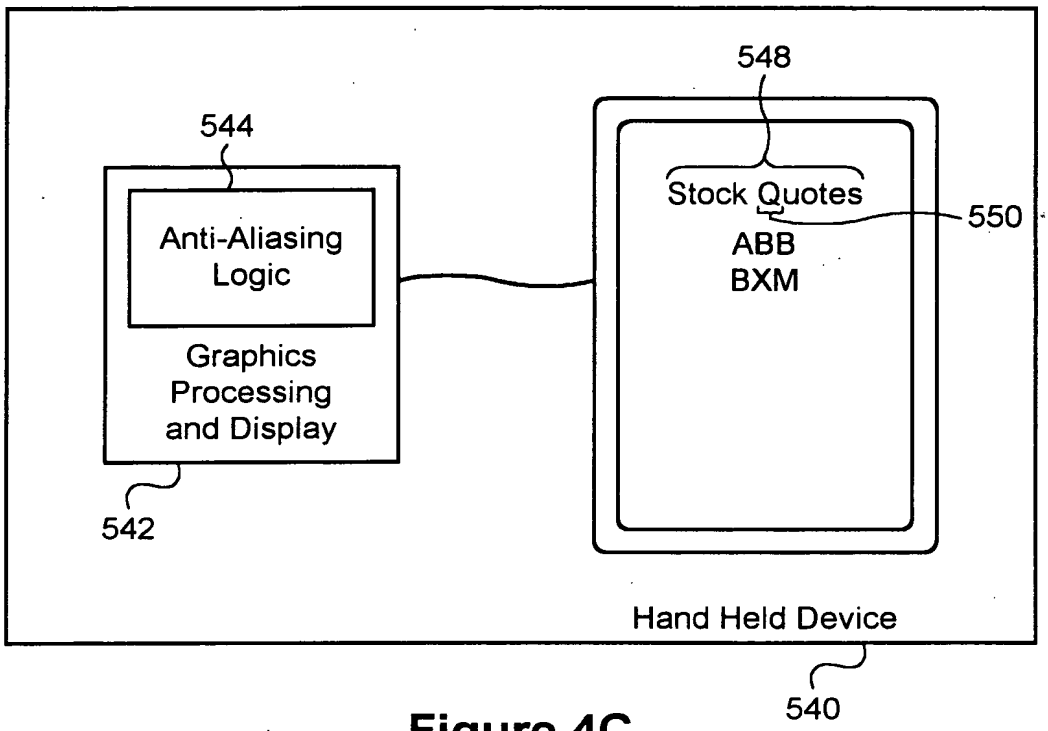
548
544
Stock Quotes
550
Anti-Aliasing Logic
ABB
BXM
Graphics Processing and Display
542
Hand Held Device
540

Figure 4C

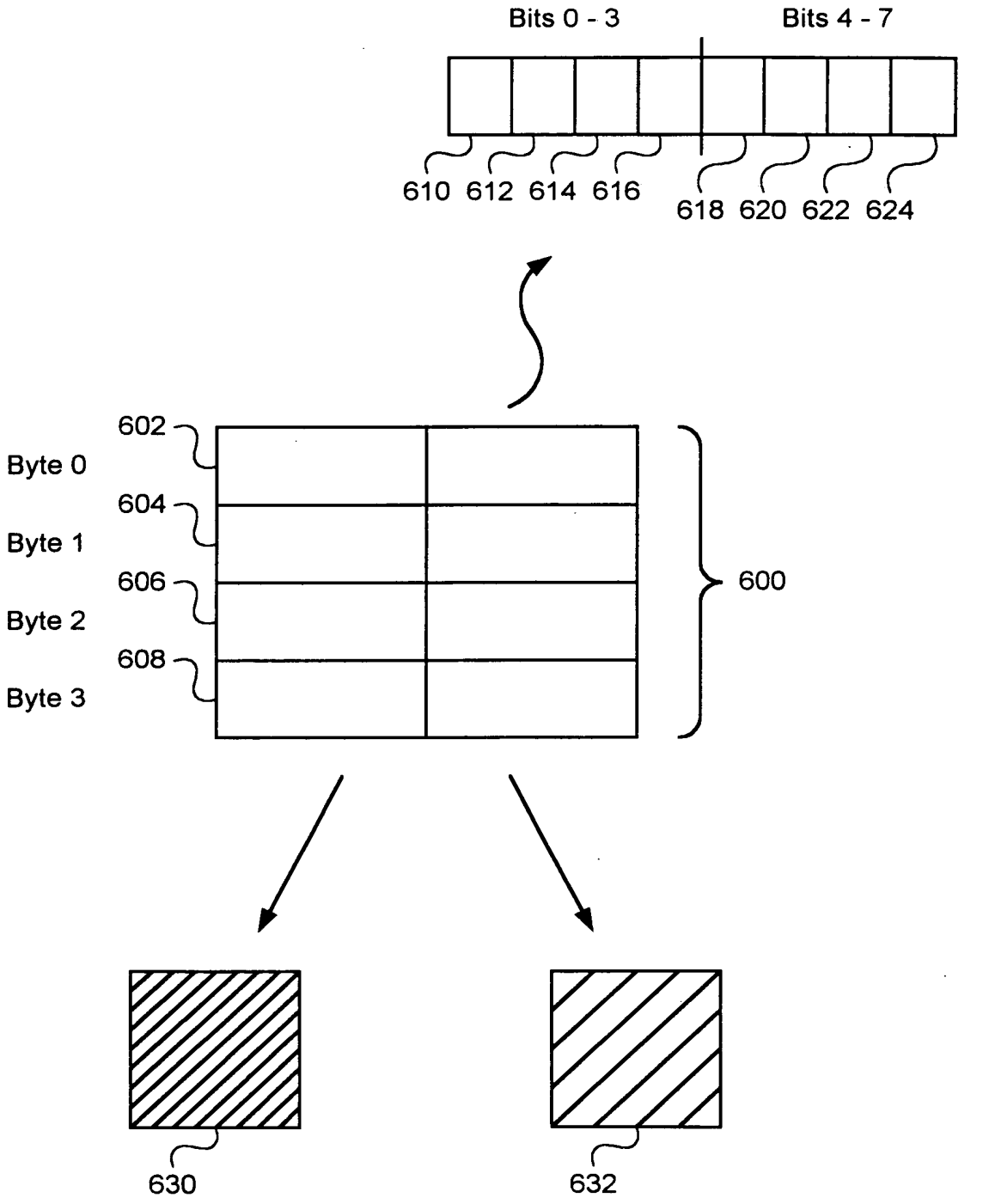
Bits 0 - 3
Bits 4 - 7
610 612 614 616 618 620 622 624
602
Byte 0
604
Byte 1
606
Byte 2
608
Byte 3
600
630
632

Figure 5

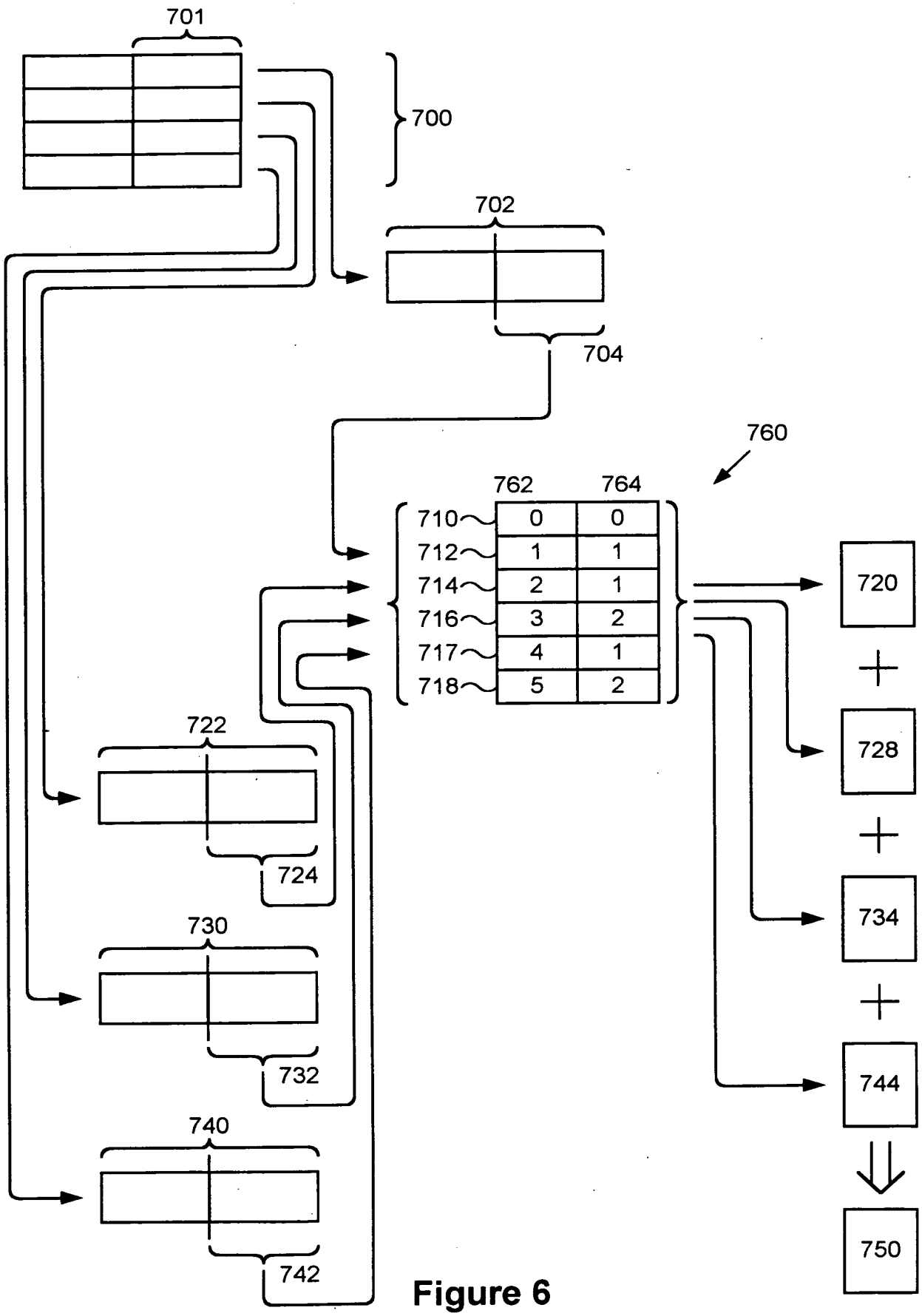
701
700
702
704
760
762
764
710
712
714
716
717
718
0 0
1 1
2 1
3 2
4 1
5 2
720
728
734
744
750
722
724
730
732
740
742

Figure 6